

PATENT COOPERATION TREATY


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INTERNATIONAL PRELIMINARY EXAMINATION REPORT
(PCT Article 36 and Rule 70)

REC'D 26 OCT 2004

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Applicant's or agent's file reference 78023 HD/ve		FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/PEA/416)	
International application No. PCT/DK 03/00565	International filing date (day/month/year) 28.08.2003	Priority date (day/month/year) 28.08.2002	
International Patent Classification (IPC) or both national classification and IPC F16L23/08			
Applicant DINEX AS et al.			
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of 1 sheets.</p>			
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the opinion</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p>			
Date of submission of the demand 29.03.2004		Date of completion of this report 25.10.2004	
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465		Authorized Officer Gonzalez Davila, J-C Telephone No. +49 89 2399-2767	



**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. **PCT/DK 03/00565**

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, Pages

1-7 as originally filed

Claims, Numbers

1-6 received on 14.10.2004 with letter of 13.10.2004

Drawings, Sheets

1/1 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

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5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	1-6
	No: Claims	
Inventive step (IS)	Yes: Claims	1-6
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-6
	No: Claims	

2. Citations and explanations

see separate sheet

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/DK 03/00565

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. None of the prior art documents contained in the search report reveals a clamping strap for joining two pipe ends as set forth in claim 1, wherein a third web member extends from the innermost end of each of the second web members parallel to the pipes walls and the ends of the clamping strap overlap one another.
2. The above features are neither known from, nor rendered obvious in respect of prior art so that claim 1 therefore meets the requirements of Articles 33(2) and 33(3) PCT.
3. Claims 2 to 6 contain advantageous modifications of the inventive idea embodied in claim 1 and also meet the requirements of Articles 33(2) and 33(3) PCT.

Claims

1. A clamping strap (8) for joining two pipe ends, said clamping strap presenting a shape corresponding to the circumference of the two pipe ends, and where the
5 clamping strap includes a first web member (1) extending parallel to the pipe walls (12, 13), a second web member (2) extending inclined from each side of the first web member (1) and inwards towards the pipe walls, a compressible sealing band (4) arranged on the inner side of the first web member (1) between the two second web
10 members (2) and of a width substantially corresponding to the width of the first web member (1), when seen in use in a cross-sectional direction through the central axis of the pipes (10, 11), **characterised in** that a third web member (3) extends from the innermost end of each of the second web members (2) and parallel to the pipe walls (12, 13), and that the ends of the clamping strap overlap one another.
- 15 2. A clamping strap according to claim 1, **characterised in** that it is made as a continuous, flexible strap with two clamping strap ends interconnected by means of a single tightening means (20), said tightening means allowing the clamping strap (8) to be clamped about the pipe ends.
- 20 3. A clamping strap according to claim 1 or 2, **characterised in** that the third web members (3) are of a width of at least 5 mm measured in the longitudinal direction of the pipes.
4. A clamping strap according to one of the preceding claims, **characterised in**
25 that the sealing band (4) is made of a woven fibre glass material.
5. A clamping strap according to one of the preceding claims, **characterised in** that it is cylindrical.
- 30 6. A pipe end joint where two pipe ends are provided with a bead (9) extending radially outwards from the outer side of the pipe walls (12, 3), and where a clamping